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**TRANSMITTAL
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Total Number of Pages in This Submission

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|--|------------------------|
| Application Number | 10/566,823 |
| Filing Date | Herewith |
| First Named Inventor | Ping Wang |
| Art Unit | To Be Determined |
| Examiner Name | To Be Determined |
| Total Number of Pages in This Submission | Attorney Docket Number |
| | KLBS0009-100 |

ENCLOSURES (check all that apply)

| | | |
|--|---|---|
| <input type="checkbox"/> Fee Transmittal Form | <input type="checkbox"/> Drawing(s) | <input type="checkbox"/> After Allowance Communication to TC |
| <input type="checkbox"/> Fee Attached | <input type="checkbox"/> Licensing-related Papers | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences |
| <input type="checkbox"/> Amendment / Reply | <input type="checkbox"/> Petition | <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> After Final | <input type="checkbox"/> Petition to Convert to a Provisional Application | <input type="checkbox"/> Proprietary Information |
| <input type="checkbox"/> Affidavits/declaration(s) | <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address | <input type="checkbox"/> Status Letter |
| <input type="checkbox"/> Extension of Time Request | <input type="checkbox"/> Terminal Disclaimer | <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): |
| <input type="checkbox"/> Express Abandonment Request | <input type="checkbox"/> Request for Refund | Forms PTO SB/08a and SB/08b (3 pp.); (19) References Cited, (17) References Enclosed. |
| <input checked="" type="checkbox"/> Information Disclosure Statement | <input type="checkbox"/> CD, Number of CD(s) _____ | |
| <input type="checkbox"/> Certified Copy of Priority Document(s) | <input type="checkbox"/> Landscape Table on CD | |
| <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application | | |
| <input type="checkbox"/> Reply to Missing Parts under 37 CFR1.52 or 1.53 | | |
| Remarks | | |

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm

Cozen O'Connor

Signature

Printed Name

Paul K. Legaard, Ph.D.

Date

MAY 17, 2006

Reg. No.

38,354

CERTIFICATE OF TRANSMISSION/MAILING

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Typed or printed name

Paul K. Legaard, Ph.D., Registration No. 38,534

Date

17 MAY 2006

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**In Re Application of: Wang and Li****Serial No.: 10/566,823****Group Art Unit: To Be Determined****Filing Date: Herewith****Examiner: To Be Determined****For: Microsome Vaccine**

I certify that this correspondence is being deposited with the U.S. Postal Service as First Class mail in an envelope addressed to the Commissioner for Patents, PO Box 1450, Alexandria, VA, 22313-1450.

On 17 MAY 2006


Paul K. Legaard, Ph.D., Registration No. 38,534

MAIL STOP PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 C.F.R. §§ 1.56 and in accordance with 37 C.F.R. §§ 1.97 and 1.98, information relating to the above-identified application is hereby disclosed, the Examiner in charge of the above-identified application is requested to consider and make of record the references listed on the PTO Forms SB/08A and SB/08B, formerly known as PTO Form 1449 submitted herewith.

Inclusion of the information submitted herewith is not to be construed as an admission that the information is material as that term is defined in 37 C.F.R. § 1.56(b).

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

This Information Disclosure Statement is being filed:

- within three months of the filing date of the patent application.
- within three months of the date of entry into the national stage as set forth in 37 C.F.R. § 1.491 of the international application.
- before the mailing date of a first Office Action on the merits.

- after the mailing date of a first Office Action on the merits, but before the mailing date of a Final Office Action under 37 C.F.R. § 1.116 or a Notice of Allowance under 37 C.F.R. § 1.311, and accordingly is accompanied by:
 - the Statement under 37 C.F.R. § 1.97(e) (see "Statement" below);
or
 - the Fee of \$180.00 set forth in 37 C.F.R. § 1.17(p); or
 - No fee is owed by the applicant(s).
- In accordance with 37 C.F.R. § 1.129(a), this Information Disclosure Statement is being filed in connection with the first or second After Final Submission, and accordingly is accompanied by the Statement under 37 C.F.R. § 1.97(e) (see "Statement" below) and the fee of \$180.00 as set forth in 37 C.F.R. § 1.17(p), is attached.
- after the mailing date of a Final Office Action under 37 C.F.R. § 1.116 or a Notice of Allowance under 37 C.F.R. § 1.311, but before the payment of the Issue Fee, and accordingly is accompanied by the Statement under 37 C.F.R. § 1.97(e), (see "Statement," and "Fees" below).
- Copies of the references (excluding the U.S. Patent Documents) listed on the attached PTO Forms SB/08a and SB/08b, formerly known as PTO Form 1449 are enclosed.

EXCEPT THAT:

- In view of the voluminous nature of reference @@, and the likelihood that this reference is available to the Examiner, copies are not enclosed herewith.
- In accordance with 37 C.F.R. § 1.98(d), copies of the following references listed on the attached PTO Form SB/08A and PTO Form SB/08B, formerly known as PTO Form 1449 are not enclosed herewith because they were previously cited by or submitted to the U.S. Patent and Trademark Office in patent application(s) for which a claim for priority under 35 U.S.C. § 120 have been made in the instant application.

- If any of the foregoing publications are not available to the Examiner, Applicant will endeavor to supply copies at the Examiner's request.

Statement under 37 C.F.R. § 1.97(e)

- The undersigned attorney hereby states that each item information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign patent application not more than three months prior to the filing of the Information Disclosure Statement.

Fees

- No Fee is owed by the applicant(s).
- The Information Disclosure Statement Fee of \$180.00 under 37 C.F.R. § 1.17(p) is enclosed herewith.

Method of Payment of Fees

- Attached is a check in the amount of \$_____ This form is submitted in duplicate.
- Charge Deposit Account No. 50-1275 in the amount of \$180.00. This form is submitted in duplicate.
- Please charge any deficiency or credit any overpayment to Deposit Account 50-1275.
- No fee or Statement is required under 37 C.F.R. § 1.97(b).

Respectfully submitted,



Paul K. Legaard, Ph.D.
Registration No. 38,534

Dated: 17 MAY 2006

COZEN O'CONNOR, P.C.
1900 Market Street, 5th Floor
Philadelphia, PA 19103-3508
(215) 665-2000 – Telephone
(215) 665-2013 - Facsimile

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| Substitute for form 1449A/PTO | | | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | | |
| (Use as many sheets as necessary) | | | |
| Sheet | 1 | of | 3 |
| <i>Complete if Known</i> | | | |
| <i>Application Number</i> | | 10/566,823 | |
| <i>Filing Date</i> | | Herewith | |
| <i>First Named Inventor</i> | | Ping Wang | |
| <i>Art Unit</i> | | To Be Determined | |
| <i>Examiner Name</i> | | To Be Determined | |
| <i>Attorney Docket Number</i> | | KLBS0009-100 | |

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

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|-----------------------|--------------------|
| Examiner Signature | Date Considered |
|-----------------------|--------------------|

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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| Substitute for form 1449B/PTO | | | Complete if Known | | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | | <i>Application Number</i> | 10/566,823 | |
| <i>(Use as many sheets as necessary)</i> | | | <i>Filing Date</i> | Herewith | |
| | | | <i>First Named Inventor</i> | Ping Wang | |
| | | | <i>Art Unit</i> | To Be Determined | |
| | | | <i>Examiner Name</i> | To Be Determined | |
| Sheet | 2 | of | 3 | <i>Attorney Docket Number</i> | KLBS0009-100 |

| NON PATENT LITERATURE DOCUMENTS | | | | |
|---------------------------------|-----------------------|---|--|----------------|
| Examiner Initials * | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | | |
| | AD | Anthony et al., "Comprehensive Determinant Mapping of the Hepatitis C-Specific CD8 Cell Repertoire Reveals Unpredicted Immune Hierarchy," <i>Clinical Immunology</i> , (2002) 103(3):264-276. | | T ² |
| | AE | Celis, "Getting peptide vaccines to work; just a matter of quality control?" <i>J. Clin. Invest.</i> (2002) 110:1765-1768. | | |
| | AF | He et al., "Quantitative analysis of hepatitis C Virus-specific CD8+ T cells in peripheral blood and liver using peptide-MHC tetramers," <i>Proc. Nat'l. Acad. Sci.</i> , (1999) 96:5692-5697. | | |
| | AG | Kaul et al., "CD8+ lymphocytes respond to different HIV epitopes in seronegative and infected subjects," <i>Journal of Clinical Investigation</i> (2001) 107(10):1303-1310. | | |
| | AH | Koziel et al., "Hepatitis C Virus (HCV)-Specific Cytotoxic T Lymphocytes Recognize Epitopes in the Core and Envelope Proteins of HCV," <i>Journal of Virology</i> , (1993) 67(12):7522-7532. | | |
| | AI | Li et al., "Peptide-bound Major Histocompatibility Complex Class I Molecules Associate with Tapasin before Dissociation from transporter Associated with Antigen Processing," <i>Journal of Biological Chemistry</i> , (1999) 274(13):8649-8654. | | |
| | AJ | Li et al., "Cytokine-induced Src Homology 2 Protein (CIS) Promotes T cell Receptor-mediated Proliferation and Prolongs Survival of Activated T Cells," <i>J. Exp. Med.</i> , (2000) 191(6):985-994. | | |
| | AK | Li et al., "Cloning and functional characterization of a subunit of the transporter associated with antigen processing," <i>Proc. Nat'l. Acad. Sci.</i> , (1997) 94:8708-8713. | | |
| | AL | Li et al., "Tapasin is Required for Efficient Peptide Binding to Transporter Associated with Antigen Processing," <i>Journal of Biological Chemistry</i> , (2000) 275(3):1581-1586. | | |
| | AM | Mallet-Designe, "Detection of Low-Avidity CD4+ T Cells Using Recombinant Artificial APC: Following the Antivalbumin Immune Response," <i>Journal of Immunology</i> , (2003) 170:123-131. | | |
| | AN | Paulsson et al., "Distinct differences in association of MHC class I with endoplasmic reticulum proteins in wild-type, and β2-microglobulin- and TAP-deficient cell lines," <i>International Immunology</i> , (2001) 13(8):1063-1073. | | |

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|--------------------|--|-----------------|
| Examiner Signature | | Date Considered |
|--------------------|--|-----------------|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

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| Substitute for form 1449B/PTO | | Complete if Known | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | <i>Application Number</i> | 10/566,823 |
| | | <i>Filing Date</i> | Herewith |
| | | <i>First Named Inventor</i> | Ping Wang |
| | | <i>Art Unit</i> | To Be Determined |
| | | <i>Examiner Name</i> | To Be Determined |
| Sheet | 3 | <i>Attorney Docket Number</i> | KLBS0009-100 |
| (Use as many sheets as necessary) | | | |

NON PATENT LITERATURE DOCUMENTS

| Examiner Initials * | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
|---------------------|-----------------------|--|----------------|
| | AO | Paulsson et al., "Association of Tapasin and COPI Provides a Mechanism for the Retrograde Transport of Major Histocompatibility Complex (MHC) Class I Molecules from the Golgi Complex to the Endoplasmic Reticulum," <i>Journal of Biological Chemistry</i> (2002) 277(21):18266-18271. | |
| | AP | Paulsson et al., "Assembly of tapasin-associated MHC class I in the absence of the transporter associated with antigen processing (TAP)," <i>International Immunology</i> , (2001) 13(1):23-29. | |
| | AQ | Saraste et al., "Temperature-sensitive steps in the transport of secretory proteins through the Golgi complex in exocrine pancreatic cells," <i>Proc Natl Acad Sci USA</i> (1986) 83(17):6425-6429. | |
| | AR | Tartour et al., "Development of non-live vectors and procedures (liposomes, pseudo-viral particles, toxin, beads, adjuvants...) as tools for cancer vaccines.,," <i>Immunology Letters</i> (2000) 74(1):45-50. | |
| | AS | Wang et al., "Binding of H-2Kb-specific Peptides to TAP and major Histocompatibility Complex Class I in Microsomes from Wild-type, TAP1, and β2-Microglobulin Mutant Mice," <i>Journal of Biological Chemistry</i> , (1996) 271(40):24830-24835. | |
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| Examiner Signature | | Date Considered | |
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